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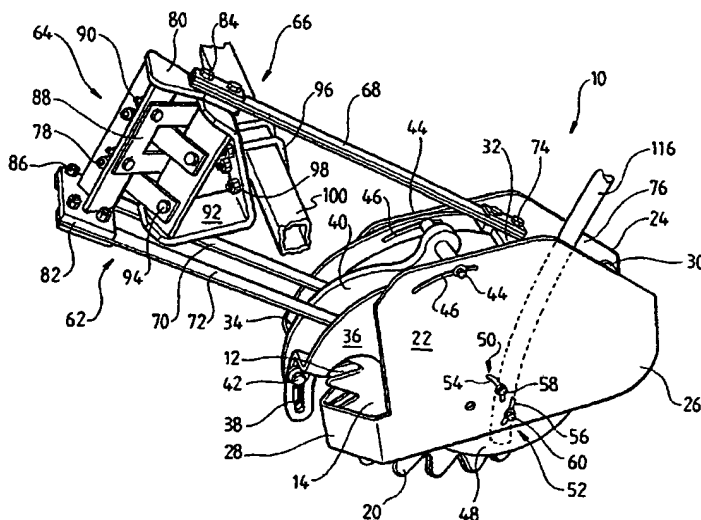
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(54) Title: AN APPARATUS AND METHOD FOR FURROW OPENING USING A DISC



(57) Abstract: There is proposed a novel furrow opening apparatus (10) that includes toothed discs (12 and 14) that are able to penetrate the soil thereby creating a furrow (114). The teeth (20) of the apparatus (10) are configured to prevent hair pinning of plant material within the furrow (114). The edges of the teeth (20) slice any plant material as teeth (20) penetrate the soil. Uncut straw is wedged between the teeth (20) and broken by tension as the discs (12 and 14) diverge and any uncut straw is removed from the furrow (114) by teeth (20). Any soil and plant material that adheres to the teeth (20) is cleared by a scraper (48) and deposited back on the soil surface. The apparatus (10) may further include a seeding device (142) that is configured to follow the toothed discs (12 and 14) and create a seeding furrow (166).

WO 2005/027615 A1